



PHA 4166.5 (2805/5)

Cont. re: #4166.5  
Assy  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of A. Moorman et al. Art Unit 1621  
Serial No. 09/885,221  
Filed June 20, 2001  
Confirmation No. 3271  
For METHOD OF USING (H<sup>+</sup>/K<sup>+</sup>)ATPase INHIBITORS AS ANTIVIRAL  
AGENTS  
Examiner Shailendra Kumar

COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20231

TECH CENTER 1600/2900

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CERTIFICATE UNDER 37 CFR 3.73 (b)

Phamacia Corproation, a Delaware corporation, certifies that it is the assignee in the patent application identified above by virtue of either:

A. [X] An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel 7022, Frame 0739, or for which a copy thereof is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may

jeopardize the validity of the application or any patent  
issuing thereon.

12/6/02  
Date

James M. Warner  
Signature

JAMES M. WARNER  
Typed or Printed Name

DIRECTOR, IP, ARTHRITIS & INFLAMMATION  
Title

KJD/rle



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UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231

DATE: 07/15/94  
TO:

NO8B

G.D. SEARLE & CO.  
JOSEPH E. BULOCK  
5200 OLD ORCHARD ROAD  
SKOKIE, ILLINOIS 60077

LEGAL DEPARTMENT

AUG 19 1994

FILE

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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ASSIGNOR:  
MOORMAN, ALAN E.

DOC DATE: 05/20/94

ASSIGNOR:  
BECKER, DANIEL P.

DOC DATE: 05/20/94

ASSIGNOR:  
FLYNN, DANIEL L.

DOC DATE: 05/20/94

RECORDATION DATE: 06/13/94 NUMBER OF PAGES 002 REEL/FRAME 7022/0739

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:  
G.D. SEARLE & CO.  
5200 OLD ORCHARD ROAD  
SKOKIE, ILLINOIS 60077

SERIAL NUMBER 8-235619 FILING DATE 04/29/94  
PATENT NUMBER ISSUE DATE 00/00/00

*Virginia E. Moore*  
EXAMINER/PARALEGAL  
ASSIGNMENT BRANCH  
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

Case 2805



U.S. PATENT AND TRADEMARK OFFICE  
Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

APPENDIX B  
RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Alan E. Moorman - 20 May 1994  
Daniel P. Becker - 20 May 1994  
Daniel L. Flynn - 20 May 1994

2. Name and address of receiving party(ies):

Name: G.D. Searle & Co.  
Internal Address: Corporate Patent Department  
P.O. Box 5110  
Chicago, IL 60680  
Street Address: 5200 Old Orchard Road  
Skokie, IL 60077

Additional name(s) of conveying party(ies) attached?

Yes  No

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: see above

FEE VALUE ACCOUNTABILITY	
DEPOSIT ACCOUNT NO.	
19	1025
FEES CODE	VALUE FURNISHED
581	40.00

Additional name(s) & address(es) attached?

Yes  No

96 JUN 27 1994  
SIGNATURE BRANCH

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) 08/235,619

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: G.D. Searle & Co.  
Internal Address: Corporate Patent Department  
P.O. Box 5110  
Chicago, IL 60680  
Street Address: 5200 Old Orchard Road  
Skokie, IL 60077

6. Total number of applications and patents involved:  1

Total fee (37CFR 3.41): \$40.00

Enclosed

Authorized to be charged to deposit account

7. Deposit account number: 19-1025

(Attach duplicate copy of this page if paying by deposit account)

8. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and my attached copy is a true copy of the original document.

JOSEPH W. BULICK  
Name of Person Signing

Joseph W. Bulick  
Signature

June 9, 1994  
Date

Total number of pages including cover sheet:  1

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ASSIGNMENT (JOINT) Case No. 2805

For Ten Dollars and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we,

Alan E. Moorman: 9450 Latrobe, Skokie, Illinois 60077;  
Daniel P. Becker: 1800 Maplewood Lane, Glenview, Illinois 60025;  
Daniel L. Flynn: 17 North Bristol Court, Mundelein, Illinois 60060;

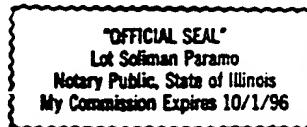
hereby sell, assign, transfer and convey unto G.D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois, 60630, its successors and assigns, the entire right, title and interest in and to our invention in **METHOD OF USING (H<sup>+</sup>/K<sup>+</sup>)ATPase INHIBITORS AS ANTIVIRAL AGENTS** described in an application for United States Letters Patent therefor, executed on even date herewith, and in and to all Letters Patent of the United States and foreign countries, including any divisions, continuations, reissues and extensions thereof that may be obtained therefor; and we agree that we will, without additional compensation, but without cost to us, promptly communicate to said G.D. SEARLE & CO., or its representatives any facts known to us respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid our said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and we hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G.D. SEARLE & CO., its successors and assigns.

Signed and sealed this 20th day of May, 1994.

J. F. Moore (SEAL)

Daniel F. Beeker (SEAL)  
Daniel F. Beeker

*Daniel L. Flynn* (SEAL)  
Daniel L. Flynn , PATENT AND TRADE MARK OFFICE  
State of Illinois ) JUN 13 94  
County of Cook ) ss



On the day and year aforesaid, appeared Alan E. Moorman, Daniel P. Becker and Daniel L. Flynn, personally known to me, and by me personally known to be persons who executed the above instrument, who, being duly sworn, acknowledged that they executed the above instrument as their free and voluntary act.

Liparano  
Notary Public